

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Appln. No. 10/735,861  
Attorney Docket No. Q78357

**AMENDMENTS TO THE SPECIFICATION**

**Please replace the paragraph bridging pages 20 and 21 with the following amended paragraph:**

As shown in Fig. 8, on the sheet transportation path F, the second sensor 842 is disposed ahead of the fixing unit 9 along the sheet transportation direction and the third sensor 843 is disposed behind the fixing unit 9 along the same direction while the fourth sensor 844 is disposed behind the third sensor 843. The sensors 842 through 844 are structured so as to output the L-level when there are sheets S present at their positions (detection positions) but the H-level signal when there is no sheet S, and these outputs are supplied to the CPU 101. In this embodiment, the sensors 842 through 844 function as "second through fourth~~first through third~~ detection means" of the present invention.

**Please replace the paragraph bridging pages 21 and 22 with the following amended paragraph:**

Fig. 9A is a drawing which shows a section around the fixing unit of the second preferred embodiment. Of the three sheet detection sensors which detect whether there is a sheet S, the second sensor 842 detects whether there is a sheet S at a position P2 which is on the sheet transportation path F and ahead of the fixing unit 9 in the sheet transportation direction. The third sensor 843 detects whether there is a sheet S at a position P3 which is on the sheet transportation path F and behind the fixing unit 9 in the sheet transportation direction. The fourth sensor 844 detects whether there is a sheet S at a position P4 which is on the sheet transportation path F and behind the position P3. In this embodiment, the positions P2, P3 and

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P4 correspond respectively to a "~~second~~first detection position," a "~~third~~second detection position" and a "~~fourth~~third detection position" of the present invention.

**Please replace the third paragraph on page 29 with the following amended paragraph:**

Thus, in this embodiment, the CPU 101 functions as the "jam judging means" of the present invention. The L-level signals outputted from the second through the fourth sensors correspond to "~~second through fourth~~first through third detection signals" of the present invention. Further, the conditions 1 and 2 described above respectively correspond to a "first condition" and a "second condition" of the present invention.

**Please replace the first paragraph on page 42 with the following amended paragraph:**

Thus, in this embodiment, there are the two sensors behind the fixing unit 9 on the transportation path F, i.e., the fifth sensor 845 and the sixth sensor 846. Based on the output signals from these sensors, the CPU 101 detects occurrence of a jam of a sheet S in the fixing unit 9. In other words, the fifth sensor 845 and the sixth sensor 846 function respectively as "~~fifth~~first detection means" and "~~sixth~~second detection means" of the present invention and the CPU 101 functions as the "jam judging means" of the present invention in this embodiment. Further, the positions P5 and P6 respectively correspond to a "~~fifth~~first detection position" and a "~~sixth~~second detection position" of the present invention, while the L-level output signals among the outputs from the fifth sensor 845 and the sixth sensor 846 respectively correspond to a "~~fifth~~first detection signal" and a "~~sixth~~second detection signal" of the present invention. In this

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manner, regardless the length of a sheet S and even when sheet S has got wrapped in various different ways, it is possible to detect a jam without fail as described above.